

Supplemental material table 1. List of 26 Holter-ECG variables that were used for analysis.

Number of: single VPC, couplets, triplets, VT, bigeminy, trigeminy, accelerated idioventricular rhythms, supraventricular tachycardia, APC
FR of all VPC (coupling interval) (bpm): including FR of single VPC, couplets, triplets, and VT
FR (bpm) = coupling interval of: single VPC, couplets, triplets, VT, APC
Incidence of (yes/no): triplets, VT, bigeminy, trigeminy, atrial fibrillation
Longest duration (indicated by number of VPC) of: VT, bigeminy, trigeminy
Maximum and minimum heart rate (bpm)
Longest pause (s)

(APC, atrial premature contraction; bpm, beats per minute; FR, fastest rate; Holter-ECG, 24-hour ECG; s, seconds; VPC, ventricular premature complexes; VT, ventricular tachycardia)

Supplemental material table 2. Results of 26 Holter-ECG variables in the SCD- and control group expressed as mean \pm standard deviation, median [interquartile range], or frequencies (%):

Variables	Control group	SCD-group
Number of VPC	275 [12-1,384]	2,035 [621-8,212]
FR of single VPC (bpm)	239 \pm 41	245 \pm 41
FR of all VPC (bpm)	253 \pm 45	292 \pm 55
number of couples	0 [0-5]	15 [2-106]
FR of couples (bpm)	236 \pm 61	280 \pm 41
Number of triplets	0 [0-0]	1 [0-7]
Incidence of triplets	10 (18.5 %)	24 (58.5 %)
FR of triplets (bpm)	238 \pm 45	278 \pm 67
Incidence of VT	7 (13.0 %)	19 (46.3 %)
Number of VT	0 [0-0]	0 [0-1]
FR of VT (bpm)	264 \pm 42	297 \pm 59
Longest duration of VT (number of VPC)	7 [4-11]	6 [5-63]
Incidence of bigeminy	16 (29.6 %)	25 (61.0 %)
Number of bigeminy	0 [0-1]	6 [0-61]
Longest duration of bigeminy	10 [3-83]	13 [5-43]

Incidence of trigeminy	14 (25.9 %)	26 (63.4 %)
Number of trigeminy	0 [0-1]	4 [0-49]
Longest duration of trigeminy	8 [5-10]	7 [4-14]
Number of AIVR	0 [0-0]	0 [0-0]
Maximum HR (bpm)	222 ± 47	208 ± 35
Minimum HR (bpm)	47 ± 15	57 ± 34
Longest pause (s)	3 ± 1	3 ± 1
Total number of APC	5 [0-22]	10 [1-109]
Number of SVT	0 [0-0]	0 [0-0]
FR of APC (bpm)	220 ± 60	218 ± 53
Incidence of A-fib	3 (5.6 %)	5 (12.2 %)

(A-fib, atrial fibrillation; AIVR, accelerated idioventricular rhythm; APC, atrial premature contraction; bpm, beats per minute; FR, fastest rate; Holter-ECG, 24-hour ECG; HR, heart rate; s, seconds; SCD, sudden cardiac death; SVT, supraventricular tachycardia; VPC, ventricular premature complexes; VT, ventricular tachycardia)

Supplemental material Table 3. Results of the multiple logistic regression analysis.

	p-values	
	SCD-group	SCD-group without decompensated dogs
LVEDV/BSA	0.00079	0.0024
Incidence of triplets	0.19171	0.1766
Incidence of VT	0.10762	0.0943
FR of all VPC	0.23877	0.4073
Sex: male	0.09492	0.1192
Number of VPC	0.87320	0.8996

(LVEDV/BSA, left ventricular end-diastolic volume normalized to body surface area; SCD, sudden cardiac death; FR, fastest rate; VPC, ventricular premature complexes; VT, ventricular tachycardia)

Supplemental material table 4. Values of the coefficient plot (hazard ratio with 95% CI).

	SCD-group			SCD-group without decompensated dogs		
	Coeff	Up CI	Lo CI	Coeff	Up CI	Lo CI
LVEDV/BSA	8.53	35.32	2.81	7.86	34.58	2.30
Incidence of triplets	2.70	12.68	0.61	2.85	13.79	0.62
Incidence of VT	4.74	35.61	0.74	5.21	40.90	0.79
FR of all VPC	2.00	6.74	0.67	1.67	5.90	0.51
Sex: male	3.72	20.56	0.86	3.45	19.28	0.78
Number of VPC	1.01	1.17	0.90	1.01	1.17	0.90

(Coeff, coefficient; FR, fastest rate; Lo CI, lower confidence interval; LVEDV/BSA, left ventricular end-diastolic volume normalized to body surface area; SCD, sudden cardiac death; Up CI, upper confidence interval; VPC, ventricular premature complexes; VT, ventricular tachycardia)